

SEQUENCE LISTING

<110> Xu, Zuoshang and Zamore, Phillip D.

<120> Allele-Specific RNA Interference

<130> UMY-038

<150> 60/423,507

<151> 2002-11-04

<150> 60/488,283

<151> 2003-07-18

<160> 19

<170> FastSEQ for Windows Version 4.0

<210> 1

<211> 25

<212> DNA

<213> Homo sapiens

<400> 1

uggagacuug cgcaaugugt ttttt 25

<210> 2

<211> 25

<212> DNA

<213> Homo sapiens

<400> 2

cacauugcgc aagucuccat ttttt 25

<210> 3

<211> 25

<212> DNA

<213> Homo sapiens

<400> 3

ggagacuugc gcaaugugat ttttt 25

<210> 4

<211> 25

<212> DNA

<213> Homo sapiens

<400> 4

ucacauugcg caagucucct ttttt 25

<210> 5

<211> 25

<212> DNA

<213> Homo sapiens

<400> 5

gagacuugcg caaugugact ttttt 25

<210> 6

<211> 25
 <212> DNA
 <213> Homo sapiens

 <400> 6
 guacauugc gcaagucuct ttttt 25

 <210> 7
 <211> 48
 <212> DNA
 <213> Homo sapiens

 <400> 7
 gagaggcaug uuggagacuu gggcaaugug acugcugaca aagauggu 48

 <210> 8
 <211> 48
 <212> DNA
 <213> Homo sapiens

 <400> 8
 gagaggcaug uuggagacuu ggcgaaugug acugcugaca aagauggu 48

 <210> 9
 <211> 25
 <212> DNA
 <213> Homo sapiens

 <400> 9
 gagacuuggg caaugugact ttttt 25

 <210> 10
 <211> 25
 <212> DNA
 <213> Homo sapiens

 <400> 10
 guacauugc ccaagucuct ttttt 25

 <210> 11
 <211> 25
 <212> DNA
 <213> Homo sapiens

 <400> 11
 ggagacuugg gcaaugugat ttttt 25

 <210> 12
 <211> 25
 <212> DNA
 <213> Homo sapiens

 <400> 12
 ucacauugcc caagucucct ttttt 25

 <210> 13
 <211> 25
 <212> DNA
 <213> Homo sapiens

 <400> 13

uggagacuug ggcaaugugt ttttt 25

<210> 14
 <211> 25
 <212> DNA
 <213> Homo sapiens

<400> 14
 cacauugccc aagucuccat ttttt 25

<210> 15
 <211> 35
 <212> DNA
 <213> Homo sapiens

<400> 15
 actgctgaca aagatggtgt ggccgatgtg tctat 35

<210> 16
 <211> 52
 <212> DNA
 <213> Homo sapiens

<400> 16
 gacaaaugaug cuguggccga uaagcuuauuc ggccacagca ucuuugucuu uu 52

<210> 17
 <211> 153
 <212> PRT
 <213> Homo sapiens

<400> 17
 Ala Thr Lys Ala Val Cys Val Leu Lys Gly Asp Gly Pro Val Gln Gly
 1 5 10 15
 Ile Ile Asn Phe Glu Gln Lys Glu Ser Asn Gly Pro Val Lys Val Trp
 20 25 30
 Gly Ser Ile Lys Gly Leu Thr Glu Gly Leu His Gly Phe His Val His
 35 40 45
 Glu Phe Gly Asp Asn Thr Ala Gly Cys Thr Ser Ala Gly Pro His Phe
 50 55 60
 Asn Pro Leu Ser Arg Lys His Gly Gly Pro Lys Asp Glu Glu Arg His
 65 70 75 80
 Val Gly Asp Leu Gly Asn Val Thr Ala Asp Lys Asp Gly Val Ala Asp
 85 90 95
 Val Ser Ile Glu Asp Ser Val Ile Ser Leu Ser Gly Asp His Cys Ile
 100 105 110
 Ile Gly Arg Thr Leu Val Val His Glu Lys Ala Asp Asp Leu Gly Lys
 115 120 125
 Gly Gly Asn Glu Glu Ser Thr Lys Thr Gly Asn Ala Gly Ser Arg Leu
 130 135 140
 Ala Cys Gly Val Ile Gly Ile Ala Gln
 145 150

<210> 18
 <211> 459
 <212> DNA
 <213> Homo sapiens

<400> 18
 gcgacgaagg ccgtgtgctg gctgaagggc gacggcccag tgcaggcat catcaatttc 60

gagcagaagg	aaagtaatgg	accagtgaag	gtgtggggaa	gcattaaagg	actgactgaa	120
ggcctgcatg	gattccatgt	tcatgagttt	ggagataata	cagcaggctg	taccagtgca	180
ggctctcact	ttaatcctct	atccagaaaa	cacgggtggc	caaaggatga	agagaggcat	240
gttgagagact	tgggcaatgt	gactgctgac	aaagatggtg	tgcccgatgt	gtctattgaa	300
gattctgtga	tctcactctc	aggagaccat	tgcattcattg	gccgcacact	ggtggtccat	360
gaaaaagcag	atgacttggg	caaaggtgga	aatgaagaaa	gtacaaagac	aggaaacgct	420
ggaagtcggt	tggtctgtgg	tgtaatggg	atcgcccaa			459

<210> 19
 <211> 2288
 <212> DNA
 <213> Homo sapiens

<400> 19						
gtaccctgtt	tacatcattt	tgccattttc	gcgtactgca	accggcgggc	cacgccgtga	60
aaagaagggt	gttttctcca	cagtttcggg	gttctggacg	tttcccggct	gcggggcggg	120
gggagtctcc	ggcgcacgcg	gccccttggc	ccgccccagt	cattcccggc	cactcgcgac	180
ccgaggtctc	cgcagggggc	gggctgagcg	cgtgcgaggc	cattggtttg	gggccagagt	240
gggcgaggcg	cggaggtctg	gcctataaa	tagtcgcgga	gacggggtgc	tggtttgcgt	300
cgtagtctcc	tgccaggtctg	gggtttccgt	tgccagtcctc	ggaaccagga	cctcggcgtg	360
gcctagcgag	ttatggcgac	gaaggccgtg	tgccgtgctga	agggcgacgg	cccagtgcag	420
ggcatcatca	atttcgagca	gaaggcaagg	gctgggaccg	ggaggcttgt	gttgcgaggc	480
cgctcccagc	ccgctcgtcc	ccccgcgacc	ctttgcattg	acgggtcgcc	cgccagggtc	540
agagcagtta	agcagcttgc	tgaggtttca	ctggctagaa	agtggtcagc	ctgggattgc	600
atggacggat	ttttccactc	ccaagtctgg	ctgcttttta	cttccactgtg	aggggtaaag	660
gtaaatcagc	tggtttcttt	gttcagaaac	tctctccaac	tttgactttt	tcttaaagga	720
aagtaatgga	ccagtgaagg	tgtggggaag	cattaaagga	ctgactgaag	gcctgcatgg	780
attccatgtt	catgagtttg	gagataatac	agcaggtggg	tcataattta	gctttttttt	840
cttctttctt	taaataggct	gtaccagtgc	aggctctcac	tttaatcctc	tatccagaaa	900
acacggtggg	caaaggatg	aagagaggta	acaagatgct	taactcttgt	aatcaatggc	960
gatacgtttc	tgaggttcat	atgggtatac	acttgtaaat	atgtgcctaa	gataattccg	1020
tggtttcccc	acctttgctt	ttgaacttgc	tgactcatgt	gaaaccctgc	tcccaaattgc	1080
tggaatgctt	ttacttcctg	ggcttaaagg	aattgacaaa	tgggcactta	aaacgatttg	1140
gttttgtagc	atgtgattga	atatagaact	aatacaagtg	ccaaaggggg	actaatacag	1200
gaaatgttca	tgaacagtac	tgtcaaccac	tagcaaaatc	aatcatcatt	tgatgctttt	1260
catataggca	tggtggagac	ttgggcaatg	tgactgctga	caaagatggt	tgcccgatgt	1320
tgtctattga	agattctgtg	atctcactct	caggagacca	ttgcatcatt	ggccgcacac	1380
tggtggtgaag	ttttcataaa	ggatatgcat	aaaacttctt	ctaacagtac	agtcattgat	1440
ctttcacttt	gattgttagt	cgcgaattct	aagatccaga	taaactgtgt	ttctgctttt	1500
aaactactaa	atattagtat	atctctctac	taggattaat	gttatttttc	taatattatg	1560
aggttcttaa	acatcttttg	ggtattgttg	ggaggaggta	gtgattactt	gacagcccaa	1620
agttatcttc	ttaaaatttt	ttacagggtc	atgaaaaagc	agatgacttg	ggcaaagggt	1680
gaaatgaaga	aagtacaaag	acaggaaacg	ctggaagtgc	tttggttctg	ggtgtaattg	1740
ggatcgccca	ataaacattc	ccttgatgtg	agtctgaggc	cccttaactc	atctgttatc	1800
ctgctagctg	tagaaatgta	tcctgataaa	cattaaacac	tgtaatctta	aaagtgtaat	1860
tgtgtgactt	tttcagagtt	gctttaaagt	acctgtagtg	agaaaactgat	ttatgatcac	1920
ttggaagatt	tgtatagttt	tataaaactc	agttaaaatg	tctgtttcaa	tgacctgtat	1980
tttgccagac	ttaaatcaca	gatgggtatt	aaacttgtca	gaatttcttt	gtcattcaag	2040
cctgtgaata	aaaaccctgt	atggcactta	ttatgaggct	attaaaagaa	tccaaattca	2100
aactaaatta	gctctgatac	ttatttatat	aaacagcttc	agtggaacag	atttagtaat	2160
actaacagtg	atagcatttt	attttgaaag	tggttttgaga	ccatcaaaat	gcatacttta	2220
aaacagcagg	tcttttagct	aaaactaaca	caactctgct	tagacaaata	ggctgtcctt	2280
tgaagctt						2288